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Subject: create a private network.

Posted by [pringleso](#) on Wed, 23 May 2007 05:48:19 GMT

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Hi,

I've used [http://wiki.openvz.org/Using\\_NAT\\_for\\_VE\\_with\\_private\\_IPs](http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs) to give my VEs internet access, great it works. Now i want to create a private LAN between all the VEs (since some people want to do things like NFS) but not using their current ips since i monitor internet->ve and ve->internet traffic.

I've looked at [http://wiki.openvz.org/Virtual\\_Ethernet\\_device](http://wiki.openvz.org/Virtual_Ethernet_device) but it doesnt seem to hint as to how to do that. Can anybody help?

thanks a lot.

edit:

i read the guide [http://wiki.openvz.org/Virtual\\_Ethernet\\_device](http://wiki.openvz.org/Virtual_Ethernet_device) again and i got a small lan between the hn and a ve, however, i get this error when i want to add another ve to the lan

```
[root@hostnode] vzctl set 102 --netif_add eth0,00:12:34:56:78:9C,veth101.0,00:12:34:56:78:9A
--save
Configure veth devices: veth101.0
Unable to create veth: File exists
Saved parameters for VE 102
```

the problem is that i already created veth when i copy pasted the command for VEID 101

can anybody help

thanks

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Subject: Re: create a private network.

Posted by [pringleso](#) on Wed, 23 May 2007 15:29:58 GMT

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bump

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Subject: Re: create a private network.

Posted by [morik](#) on Wed, 23 May 2007 19:52:03 GMT

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Sorry, but your question is not clear,  
could you please explain what you want to do more detail.

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Subject: Re: create a private network.

Posted by [kingneutron](#) on Sat, 26 May 2007 08:45:37 GMT

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From a Vmware perspective, it sounds like he wants to create a private host-only network (specifically for VE intercommunication) that is not routable outside the host, for NFS and the like.

i.e. 172.16.xx.xx subnet -- see:

<http://winhlp.com/lpAddressesPrivate.htm>

// @OP: Pls correct me if I'm wrong

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Subject: Re: create a private network.

Posted by [kingneutron](#) on Sat, 26 May 2007 09:21:48 GMT

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--You may need to remove the interface and re-add it.

--Here's what I did for host-only net; Centos 5--64 host and Debian 4 VE:

```
' vzctl set 101 --netif_add eth0,00:12:34:56:78:9D,veth101.0,00:12:34:56:78:01 --save '
```

-- ' dhclient eth0 ' did not work in guest; \*\* NOTE: it may be worthwhile for openvz to implement a VE DHCP server for guests

```
' ifconfig veth101.0 172.16.0.3 netmask 255.255.0.0 up '
```

(( guest:

```
' ifconfig eth0 172.16.1.3 netmask 255.255.0.0 up '
```

```
' ping 172.16.0.3 '
```

```
))
```

```
' ping 172.16.1.3 '
```

```
' nmap 172.16.1.3 ' # Revealed ssh
```

--I ssh'd to another local box on my net and configged it for 172.16 access, and it was \*not\* able to see the VE--host-only net -- which is what we want.

--Back on the openvz box:

((

```
' time nmap -F -v -r 172.16.0.3 '
```

Starting Nmap 4.11 ( <http://www.insecure.org/nmap/> ) at 2007-05-26 04:15 CDT

Initiating ARP Ping Scan against 172.16.0.3 [1 port] at 04:15

The ARP Ping Scan took 0.00s to scan 1 total hosts.

DNS resolution of 1 IPs took 0.02s.

Initiating SYN Stealth Scan against 172.16.0.3 [1239 ports] at 04:15

Discovered open port 21/tcp on 172.16.0.3

Discovered open port 22/tcp on 172.16.0.3

The SYN Stealth Scan took 35.76s to scan 1239 total ports.

Host 172.16.0.3 appears to be up ... good.

Interesting ports on 172.16.0.3:

Not shown: 1192 filtered ports, 45 closed ports

PORT STATE SERVICE

21/tcp open ftp

22/tcp open ssh

MAC Address: 00:12:34:56:78:01 (Camille Bauer)

Nmap finished: 1 IP address (1 host up) scanned in 36.122 seconds

Raw packets sent: 2439 (107.314KB) | Rcvd: 48 (1930B)

real 0m36.131s

user 0m0.349s

sys 0m0.021s

))

--Compare this to scan run on the host:

[[

```
' time nmap 172.16.1.3 '
```

Starting Nmap 4.20 ( <http://insecure.org> ) at 2007-05-26 04:20 CDT

Interesting ports on 172.16.1.3:

Not shown: 1696 closed ports

PORT STATE SERVICE

22/tcp open ssh

MAC Address: 00:12:34:56:78:9D (Camille Bauer)

Nmap finished: 1 IP address (1 host up) scanned in 1.303 seconds

real 0m1.315s

user 0m0.153s

sys 0m0.044s

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Subject: Re: create a private network.

Posted by [kingneutron](#) on Sat, 26 May 2007 09:28:19 GMT

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```
[[  
> vzctl set 102 --netif_add eth0,00:12:34:56:78:9C,veth101.0,00:12:34:56:78:9A --save
```

```
Configure veth devices: veth101.0
```

```
Unable to create veth: File exists
```

```
Saved parameters for VE 102
```

```
]]
```

--Note that if you are modifying parms for VE 102, you should use "veth102.0" in vzctl line, and a different MAC address.

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